A Geological Systems Evaluation Company

October 28, 1988

J.D. Brodine & Son
P.O. Box 1300
Azusa, CA 91702
Attn: Mr. Darron Evans

Re: Tank Excavation & Removal
12140 E. Slauson Avenue
Santa Fe Springs, CA

Dear Darron:

The following is an account of a site investigation performed when two underground storage tanks were excavated and removed at a former Chrysler Corp. new car preparation facility in Santa Fe Springs, California on October 20, 1988.

If you have any questions, please contact Terri Paxton, Project Geologist, at 714-885-7072.

Respectfully,

Terri Paxton
Project Geologist

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237 South Waterman Avenue • San Bernardino California 92408 • Telephone 714 • 885 • 7072

Summary:

1. Report Date: October 27, 1988

2. Site Address: 12140 E. Slauson Ave.
   Santa Fe Springs, CA

3. Owner: Southern Pacific Industrial Development
   3230 E. Imperial Hwy.
   Brea, CA 92621

4. Contractor: Power Breaking, Inc.
   Jim Sherdun, co-ordinator

5. Tank Disposal Location: J.D. Brodine & Son, Inc.
   795 Todd Ave.
   Azusa, CA 91702

6. SCAQMD Ref. No.: 88-293-2

7. Tank Information:

   a. Tank #1: Contents; Unknown, possibly paint thinner
      Capacity; 550 gallons
      Material of Construction; Steel
      Age; Unknown

   b. Tank #2: Contents; Unknown, possibly paint thinner
      Capacity; 550 gallons
      Material of Construction; Steel
      Age; Unknown

8. Profile on Lack of Contamination:

   a. Date of Excavation & Site Inspection:

      On October 20, 1988, both tanks were excavated and removed. Visual inspection of the tanks and of the two excavations indicated no signs of contamination.

   b. Date of Confirmation and Method:

      October 24, 1988; the laboratory analytical report on chemical analyses of samples collected from a depth of 2' beneath each tank revealed no detectible concentration of contaminants. The laboratory analyses utilized EPA methods 8020 for BTX and 418.1 for total recoverable petroleum hydrocarbons.

c. Maximum Concentration of Contaminants:

None detected in either sample.

d. Estimated Volume Lost: No loss indicated.

Introduction:

This property, located at 12140 E. Slauson Ave., Santa Fe Springs, California is a newly cleared vacant lot which formerly housed a Chrysler Corp. new car preparation facility (Figs.1 & 2). There are no official records concerning the two tanks and their actual former contents are unknown. A faint aroma like paint thinner is associated with both tanks and this may be the product they formerly contained.

Site Inspection:

Prior to removal of the tanks, inspection of the opened excavation revealed no obvious signs of contamination. After removal of the tanks, inspection again revealed no obvious signs of contamination. Inspection of the tanks following their removal detected no surface breaches or holes, although both tanks were heavily rusted and appeared to be quite old.

Sample Collection and Methodology:

A total of two soil samples were collected on October 20, 1988 (Fig.3). Both samples consisted of silty clays showing no signs of discoloration or odor. Sample No.1 was collected at a depth of 2' below tank No.1 and sample No.2 was collected at a depth of 2' below tank No.2. The samples were collected between 2:20 and 2:25pm that afternoon.

Each sample was collected from the excavation clamshell teeth using a clean hand trowel and placed into a clean glass container, filled completely to eliminate all existing headspace. The samples were then sealed, refrigerated and transported to a California State Approved Laboratory within a chain of custody documentation (Fig.4).

Analytical Data:

The samples were analyzed for the constituents sought utilizing EPA methods 8020 and 418.1. The laboratory analytical report indicates no detectable concentrations of product in either sample (Fig.5).

Depth to Ground Water:

The approximate elevation of the site is 148' MSL (Fig.6). The approximate elevation of the shallow aquifer is 92' MSL (Fig.7). Consequently the approximate depth to ground water is 56' at this site.

Conclusions:

No soils contamination is present beneath either tank and soils in this single excavation pose no threat to the environment or the areal ground water supply.

Recommendations:

Backfill the excavation as per Los Angeles County Department of Health, Waste Management Division permit No.4910-B.

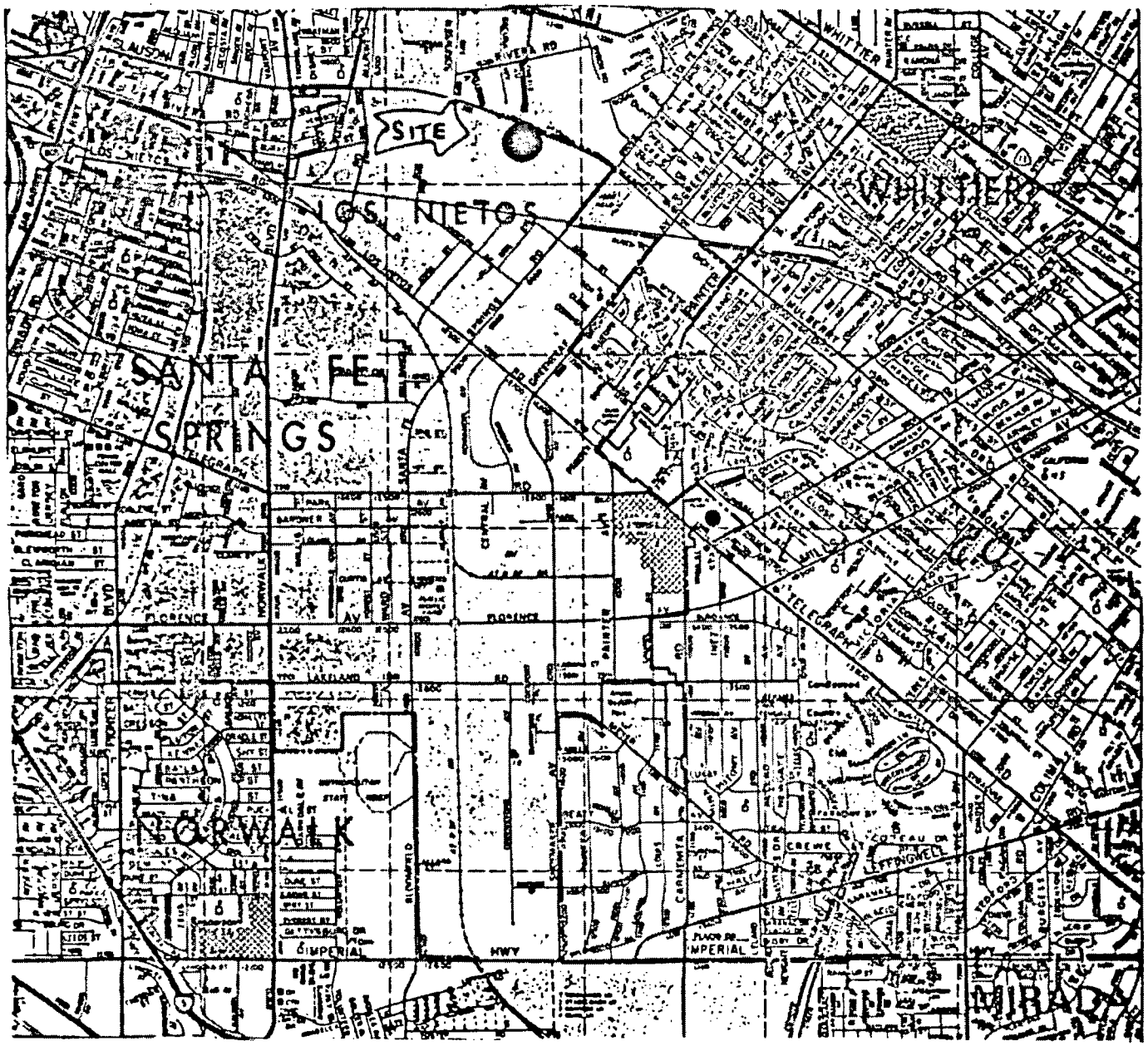
Should you have questions regarding any of the above information, please contact Terri Paxton at 714-885-7072.

Thank you,

Terri Paxton
Project Geologist

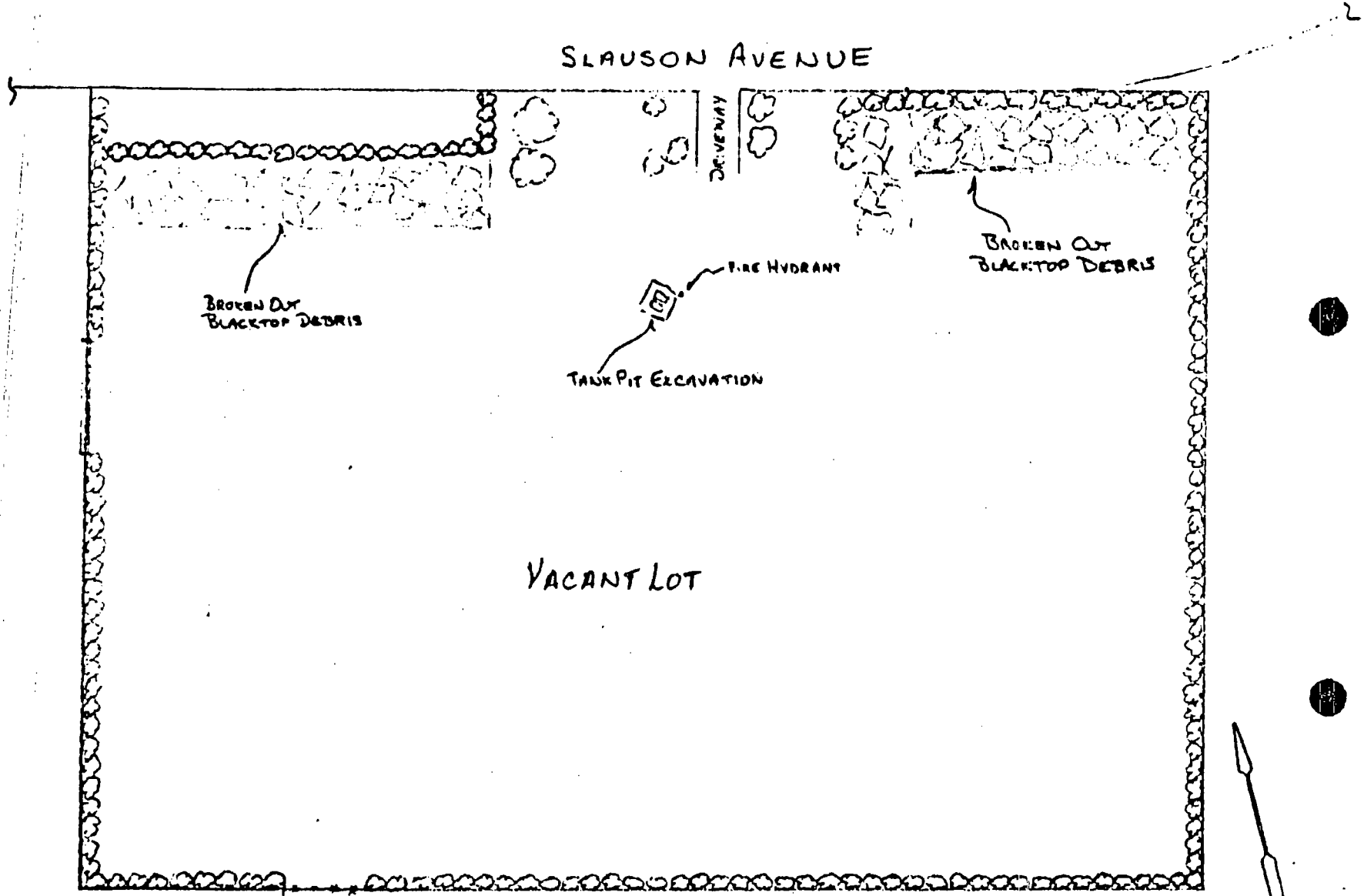
Jerry D. Horne
California Registered Geologist
No. 547

TP:naf



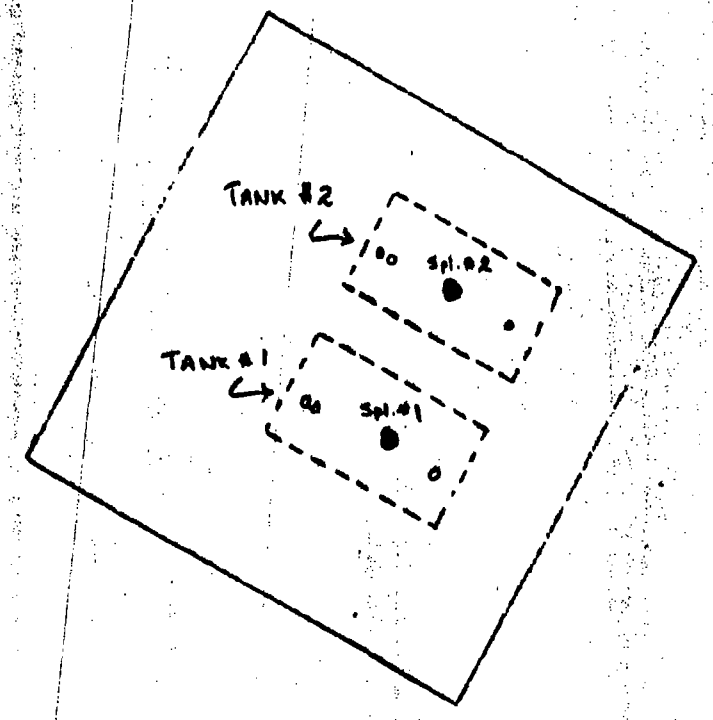
LOCATION MAP

(FIG. 1)



PLOT PLAN
12140 E. SLAUSON AVE.
SANTA FE SPRINGS, CA.

(Fig. 2)



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SCALE: 1" = 5'

0' 1 2 3 4 5'

SAMPLE LOCATIONS

12140 E. SLAUSON AVE
SANTA FE SPRINGS, CA

SAMPLE No.	TIME COLLECTED	DEPTH BELOW GRADE	DESCRIPTION	U.S.C.S.
1. TP102088-1	2:20 P.M.	8'	m.rd.brn.silty clay	CL
2. TP102088-2	2:23 P.M.	8'	med. brn. silty clay	CL

(FIG. 3)

Sample Chain of Custody

8-3922(1-2)

Generator:
Business Name: GEO-SEC Date: 10-20-88
Address: 237 So. Waterman Ave. Phone: 714-885-7072
City/State/Zip: San Bdno, CA 92408 Contact: CHANCE

Sample Site:
Business Name: Vacant lot - being cleared for Southern Pacific Industrial Developmen
Address: 13140 E. Slauson Ave
City/State/Zip: Santa Fe Springs, Ca
Sample Location: Tank pit excavation

Sample Description: Soil ✓ Solid ____ Liquid ____ Other ____
Sample Container: Glass ✓ Plastic ____ Other ____
Samples were kept cool during sampling: ✓ Yes ____ No
Samples were transported in an iced or cooled container: ✓ Yes ____ No
Sample Method: Auger Cuttings ____ Split Tube ____
Split Tube & Brass Inserts ____ Shelby Tube Field Extruded ____
Shelby Tube for Lab Extrusion ____ Other Hand trowel/backhoe tooth

If the samples were not kept cool during transport explain why: N/A

Date Sampled: 10-20-88 Time Sampled: 2:20PM & 2:25 PM
Sampled By: Terri Paxton Signature Terri Paxton

Receiver:
Business Name: WECK LABORATORIES, INC. Phone (818) 336-2139
Address: 14859 E. CLARK AVE
City/State/Zip: INDUSTRY, CA 91745
Date & Time Delivered: 10-20-88 3:55 PM
Where Delivered: LAB
Received By: C.C. KEAVENEY Position: ____

Signature: C.C. Keaveney

****

Additional Sample Data

SAMPLES NUMBERED TP102088-1 and TP102088-2

ANALYZE USING EPA methods 8015/8020

(FIG. 4)

Weck Laboratories, Inc.

14859 East Clark Avenue, Industry, California 91745-1396 (818) 336-2139

Client: Geo Sec
237 South Waterman Avenue
San Bernardino, CA 92408 (714) 885-7072

Attn.: Mr. Don Chance

ID #: 8-3922 (1-2)

Date: October 24, 1988

Received: October 20, 1988

Lab #: 881021-Geo Sec

Sample: Soils taken on October 20, 1988 by client at Vacant Lot for Southern Pacific Industrial Development, 12140 East Slauson Avenue, Santa Fe Springs, CA

Investigation: EPA Method 8020: MDL 0.005 mg/kg
EPA Method 8015 modified: MDL 1.0 mg/kg

REPORT

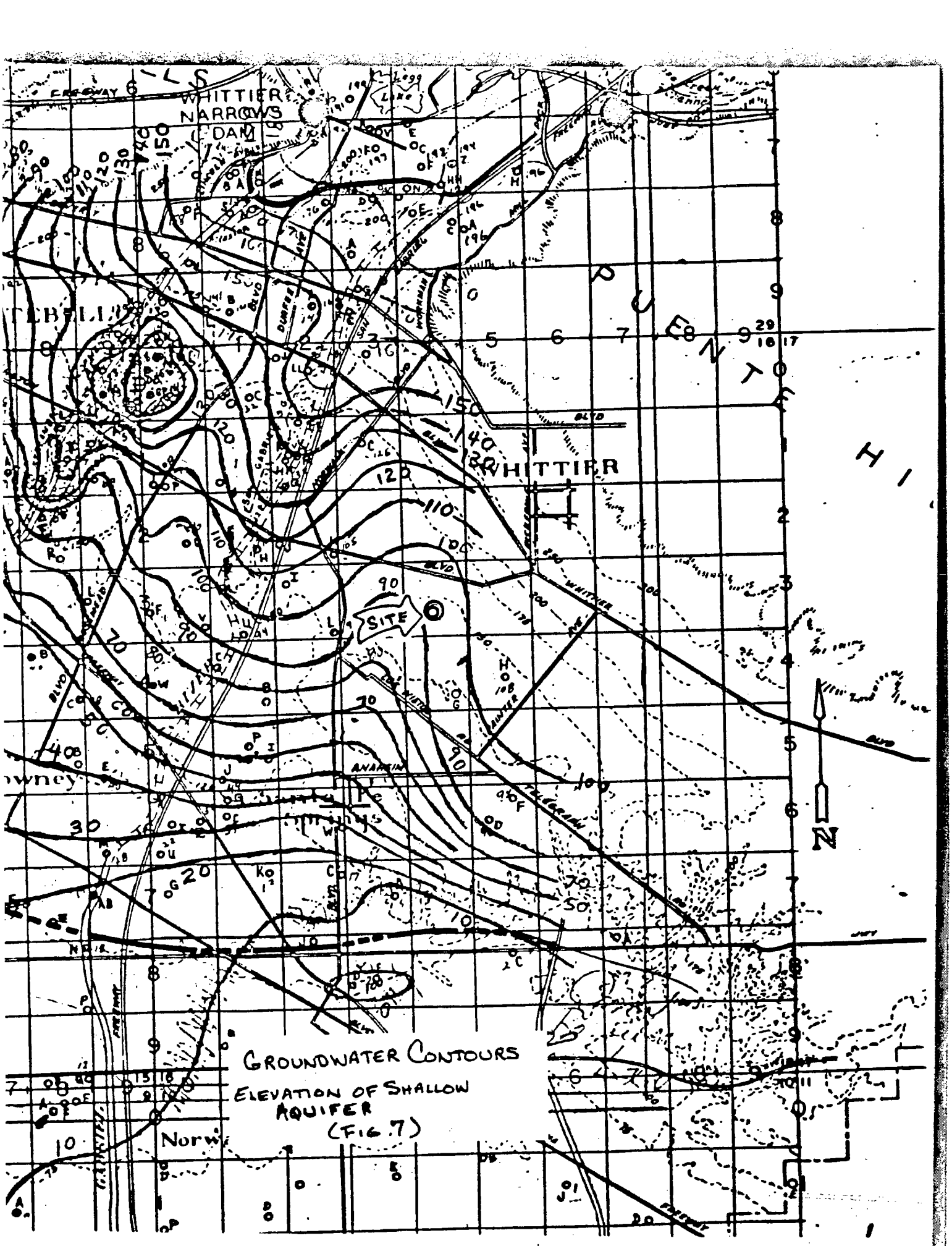
		mg/kg				
	Client's ID	Benzene	Toluene	Ethyl Benzene	Xylenes	Total Petroleum HC as gasoline
1.	TP102088-1	ND	ND	ND	ND	ND
2.	TP102088-2	ND	ND	ND	ND	ND

Alfredo Pierri
mv

(Fig. 5)

Topographic Contours
from: U.S.G.S. 7 1/2' Whittier Quad

(Fig. 6)


WHITTIER NARROWS DAM
WHITTIER
SITE
N
GROUNDWATER CONTOURS
ELEVATION OF SHALLOW AQUIFER
(FIG. 7)